

ABSTRACT

A detector of an absolute rotation angle and torque is disclosed. The detector includes a first gear (1) coupled to an input shaft (2) of a torsion-bar unit, a gear A (6) engaging with the first gear (1), and a first detecting section of an absolute rotation angle placed at the center of the gear A (6). The detector
5 also includes a second gear (3) coupled to an output shaft (4) of the torsion-bar unit, a gear B (7) engaging with the second gear (3), and a second detecting section of an absolute angle placed at the center of gear B (7).